



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

TABLE OF CONTENTS

SUPPLEMENT No. 1, MAY, 1905.

Report of Committee on Standard Methods of Water Analysis to the Laboratory Section of the American Public Health Association -	1-141
Concerning Tests for <i>B. Coli Communis</i> in Water	
<i>George W. Fuller and C. E. Ferguson</i> - - - - -	142-146
Characteristics of Colon Bacilli and the Value of the Presumptive Test	
<i>Grace Van Everen Stoughton</i> - - - - -	147-156
The Chemical Phases of a Water Softening Problem	
<i>A. Elliott Kimberly</i> - - - - -	157-164
Typhoid-Like Bacilli in the Water Supply of Fredericton, N. B.	
<i>F. C. Harrison</i> - - - - -	165-171
The Persistence of Agglutinability in Typhoid Bacilli in Water	
<i>Edwin O. Jordan</i> - - - - -	172-174
The Chemical and Bacterial Composition of the Sewage Discharged into Boston Harbor from the South Metropolitan District: with Special Reference to Diurnal and Seasonal Variations	
<i>C.- E. A. Winslow and Earle B. Phelps</i> - - - - -	175-208
The Number of Bacteria in Sewage and Sewage Effluents Determined by Plating upon Different Media and by a New Method of Direct Microscopic Enumeration	
<i>C.- E. A. Winslow</i> - - - - -	209-228
The Mode of Action of the Contact Filter in Sewage Purification	
<i>Earle B. Phelps and Frederick W. Farrell</i> - - - - -	229-254
The Determination of the Organic Nitrogen in Sewage by the Kjeldahl Process	
<i>Earle B. Phelps</i> - - - - -	255-272
Tests of a Method for the Direct Microscopic Enumeration of Bacteria	
<i>C.- E. A. Winslow and G. E. Willcomb</i> - - - - -	273-283
Report of the Committee on Antitoxic and Immunizing Sera - -	284-294
The Importance of the Paratyphoid Bacilli	
<i>Wm. H. Park</i> - - - - -	295-297
The Occurrence of <i>Bacterium Pneumoniae</i> in the Saliva of Healthy Individuals	
<i>W. D. Frost, C. B. Divine, and C. W. Reineking</i> - - -	298-303
Laboratory Methods and Devices	
<i>F. F. Wesbrook</i> - - - - -	304-324
An Improvement in the Technic of the Indol Test	
<i>Joseph McFarland and J. Hamilton Small</i> - - - -	325-326

Copper Sulphate as a Germicide: Some Notes on Its Use in Connection with Sewage Effluents	
<i>George A. Johnson and William R. Copeland</i> - - - -	327-331
Metamorphosis of <i>Filaria</i> in the Body of the Mosquito (<i>Culex Pipiens</i>). (With Plates 1-3)	
<i>Mario. G. Labredo</i> - - - - -	332-352
A Possible Cause of the Formation of Gas in Cans of Condensed Milk	
<i>Charles Wright Dodge</i> - - - - -	353-354

SUPPLEMENT No. 2, FEBRUARY, 1906.

Some Observations upon the Agglutination of Bacteria	
<i>William Hallock Park</i> - - - - -	1-9
Comparative Studies of Diplococci Decolorized by Gram's Method, Obtained from the Spinal Fluid and from the Nares of Cases of Epidemic Cerebro-Spinal Meningitis	
<i>Edward K. Dunham</i> - - - - -	10-20
The Frequent Occurrence of Meningococci in the Nasal Cavities of Meningitis Patients and of Those in Direct Contact with Them	
<i>Mary E. Goodwin and Anna I. von Sholly</i> - - - - -	21-34
Temporary Alteration of Character of an Organism Belonging to the Colon Group	
<i>Oskar Klotz</i> - - - - -	35-39
The Longevity of <i>Bacillus Typhosus</i> in Natural Waters and in Sewage	
<i>H. L. Russell and C. A. Fuller</i> - - - - -	40-75
On the Relation between Oxygen in Water and the Longevity of the Typhoid Bacillus	
<i>George C. Whipple and Andrew Mayer, Jr.</i> - - - - -	76-79
The Relative Applicability of Current Methods for the Determination of Putrescibility in Sewage Effluents	
<i>George A. Johnson, William R. Copeland, and A. Elliott Kimberly</i>	80-96
A Comparative Review of Current Methods for the Determination of Organic Matter in Sewage	
<i>George A. Johnson and A. Elliott Kimberly</i> - - - - -	97-108
A Method for the Direct Determination of Organic Nitrogen by the Kjeldahl Process	
<i>A. Elliott Kimberly and M. G. Roberts</i> - - - - -	109-122
The Practical Advantages of the Gooch Crucible in the Determination of the Total and Volatile Suspended Matter in Sewage	
<i>A. Elliott Kimberly and Harry B. Hommon</i> - - - - -	123-135
The Resistance to Decomposition of Certain Organic Matters in Sewage	
<i>H. W. Clark</i> - - - - -	136-138
The Collection and Preservation of Samples of Sewage for Analysis	
<i>Stephen DeM. Gage and George O. Adams</i> - - - - -	139-148

A Ready Method for Preparing a Silica Turbidity Standard	
<i>Ernest C. Levy</i> - - - - -	149-150
The Solubility of Calcium Carbonate and of Magnesium Hydroxide and the Precipitation of These Salts with Lime Water	
<i>George C. Whipple and Andrew Mayer, Jr.</i> - - - - -	151-165
Experience with the Use of a Nonbasic Alum in Connection with Mechanical Filtration	
<i>George C. Whipple and Francis F. Longley</i> - - - - -	166-171
The Use of Copper Sulphate in Water Filtration	
<i>H. W. Clark and S. DeM. Gage</i> - - - - -	172-174
On the Bactericidal Action of Copper	
<i>H. W. Clark and Stephen DeM. Gage</i> - - - - -	175-204
Notes in Regard to the Determination of Copper in Water	
<i>Fred B. Forbes and Gilbert H. Pratt</i> - - - - -	205-209
A Notable Source of Error in Testing Gaseous Disinfectants	
<i>Hibbert Winslow Hill</i> - - - - -	210-213
Methods of Bacteriological Examination of Milk	
<i>Francis H. Slack</i> - - - - -	214-222
Suggestions for Changes in the Schedules for Making Broth, Gelatin, and Agar, Recommended in the Last Report of the Committee on Standard Methods of Water Analysis	
<i>Hibbert Winslow Hill</i> - - - - -	223-225
A Device for Filtering Toxins, etc., by the Use of Water Pressure	
<i>Hibbert Winslow Hill</i> - - - - -	226-228

SUPPLEMENT No. 3, MAY, 1907.

On the Use of Methylene Blue in Testing Sewage Effluents	
<i>Earle B. Phelps and C.-E. A. Winslow</i> - - - - -	1-13
The Application to a Soft-Water Sewage of Direct Processes for the Determination of Kjeldahl Nitrogen and Nitrogen as Free Ammonia	
<i>Harry B. Hommon</i> - - - - -	14-19
Experiments with Methods for the Rapid Detection of Gelatin Lique- faction in the Determination of <i>B. coli</i>	
<i>Stephen DeM. Gage</i> - - - - -	20-29
The Use of Lactose-Bile Medium in Water Analysis	
<i>Daniel D. Jackson</i> - - - - -	30-32
Experience with Lactose-Bile Medium for the Detection of <i>B. coli</i> in Water	
<i>Luther R. Sawin</i> - - - - -	33-38
Comparative Results Obtained by the Use of Lactose-Bile and Dex- trose-Broth Media for the Detection of <i>B. coli</i> in Water	
<i>Robert Spurr Weston and Ralph E. Tarbett</i> - - - - -	39-40

Sanitary Chemical Examination of Water Bacteria	
<i>Andrew Watson Sellards</i> - - - - -	41-49
The Relative Importance of Streptococci and Leucocytes in Milk	
<i>Norman MacLeod Harris</i> - - - - -	50-62
Leucocyte Standards and the Leucocyte Content of Milks from Apparently Healthy Cows	
<i>H. L. Russell and Conrad Hoffmann</i> - - - - -	63-75
The Comparative Value of Bacterial and Temperature Regulations for a City's Milk Supply	
<i>Francis H. Slack</i> - - - - -	76-81
Comparison Between Bacteriological Analysis of Air by the Plate Method and by Filters	
<i>George A. Soper</i> - - - - -	82-84
The Agglutination Method of Diagnosis in the Control of Glanders	
<i>Veranus A. Moore and Walter J. Taylor</i> - - - - -	85-94
The Growth and Toxin Production of <i>Bacillus diphtheriae</i> upon Protein-Free Media	
<i>Philip B. Hadley</i> - - - - -	95-107
Liberation of Formaldehyde through the Agency of Calcium Carbide	
<i>Henry D. Evans</i> - - - - -	108-113
The Liberation of Formaldehyde Gas from Solution by Means of Potassium Permanganate	
<i>G. B. Frankforter,</i> - - - - -	114-118
1. Sputum Shaking and Sedimenting Apparatus. 2. A Rabies Collecting Outfit	
<i>Burt R. Rickards (With Plate 1)</i> - - - - -	119-122
A New Mosquito Cage	
<i>Marshall Langton Price</i> - - - - -	123-127
The Action of Sunlight upon Bacteria with Special Reference to <i>B. tuberculosis</i>	
<i>John Weinzirl (With Plates 2 and 3)</i> - - - - -	128-153

GENERAL INDEX

SUBJECT INDEX.

	SUPPLEMENT	PAGE
Acidity of Water - - - - -	1	70
Agar Hanging Drop - - - - -	1	97, 312
Agglutination of Bacteria - - - - -	2	1
Agglutination of B. coli - - - - -	1	149
Agglutination of Diplococci - - - - -	2	10
Agglutination of Meningococci - - - - -	2	29
Agglutination Method for Glanders - - - - -	3	85
Agglutinability of Typhoid Bacilli - - - - -	1	172
Air, Bacteriological Analysis of - - - - -	3	82
Alteration of a Character of an Organism - - - - -	2	35
Anaërobiosis, Device for - - - - -	1	307
Antitoxic and Immunizing Sera - - - - -	1	284
Apparatus for Counting Colonies - - - - -	1	304
Apparatus for Shaking Sputum - - - - -	3	119
Bacilli of Paratyphoid - - - - -	1	295
Bacillus coli, Characteristics of - - - - -	1	147
Bacillus coli, Determination of - - - - -	3	20, 30, 33, 39
Bacillus coli in Water - - - - -	1	142
Bacillus coli, Test for - - - - -	1	84
Bacillus diphtheriae in Non-Proteid Media - - - - -	3	95
Bacillus typhosus and Oxygen in Water - - - - -	2	76
Bacillus typhosus Exposed to Sewage - - - - -	2	62
Bacillus typhosus in Water - - - - -	2	40
Bacillus typhosus, Rapid Identification of - - - - -	2	52
Bacteria, Action of Sunlight upon - - - - -	3	128
Bacteria, Biochemical Reaction of - - - - -	1	113
Bacteria, Comparative Study of Species of - - - - -	1	128
Bacteria, Direct Enumeration of - - - - -	1	209, 273
Bacteria, Pigment Formation of - - - - -	1	117
Bacteria, Preliminary Cultivation of - - - - -	1	111
Bacteria Museum Cultures of - - - - -	1	305
Bactericidal Action of Copper - - - - -	2	175
Bacterium pneumoniae in Saliva - - - - -	1	298
Boston Sewage - - - - -	1	175
Carbonic Acid in Water - - - - -	1	72
Cerebro-Spinal Meningitis - - - - -	2	10
Chlorine in Water - - - - -	1	66
Collecting-Case for Rabies Specimens - - - - -	3	122
Color Determination of Water - - - - -	1	20
Condensed Milk, Gas in Cans of - - - - -	1	353
Contact Filter, Mode of Action of - - - - -	1	229

	SUPPLEMENT	PAGE
Copper in Water - - - - -	2	175, 205
Copper Sulphate as a Germicide - - - - -	1	327
Cultural Reactions of Bacteria - - - - -	1	112
Culture Media, Preparation of - - - - -	1	104
Culture Media, Preparation of - - - - -	2	223
Diplococci from Spinal Fluid - - - - -	2	10
Disinfectants, Testing of Gaseous - - - - -	2	210
Drigalski-Conradi Medium Modified - - - - -	1	319
Embalming Fluid, Test of - - - - -	1	320
Enumeration of Bacteria - - - - -	1	209, 273
Fats, Determination of - - - - -	1	77
Field Methods in Bacteriology - - - - -	1	321
Filaria, Metamorphosis of - - - - -	1	332
Filing Methods for Water Data - - - - -	1	322
Filtration of Toxins - - - - -	2	226
Filtration, Non-Basic Alum in - - - - -	2	166
Filtration, Copper Sulphate in - - - - -	2	172
Formaldehyde, Liberation of - - - - -	3	108, 114
Gelatin Liquefaction, Detection of - - - - -	3	20
Glanders, Diagnosis of - - - - -	3	85
Gooch Crucible - - - - -	2	123
Hardness of water - - - - -	1	54
Iron in Water - - - - -	1	44
Kjeldahl Process - - - - -	1	255
Kjeldahl Process - - - - -	2	97, 109
Kjeldahl Nitrogen, Determination of - - - - -	3	14
Lactose-Bile Medium - - - - -	3	30, 33, 39
Leucocytes in Milk - - - - -	3	50, 63
Longevity of <i>B. typhosus</i> - - - - -	2	40
Media, Preparation of - - - - -	1	82, 104
Medium for Diphtheria Diagnosis - - - - -	1	317
Meningococci - - - - -	2	21
Methods for Making Culture Media - - - - -	2	223
Method for Filtering Toxins - - - - -	2	226
Methylene Blue in Testing Sewage - - - - -	3	1
<i>Micrococcus catarrhalis</i> - - - - -	2	23
Microscopic Preparations, Staining of - - - - -	1	104, 313
Milk, Bacteria and Leucocytes in - - - - -	3	50, 63
Milk, Bacteriological Examination of - - - - -	2	214
Milk Supply, Regulation of - - - - -	3	76
Morphological Characters of Bacteria - - - - -	1	96
Mosquito, <i>Filaria</i> in - - - - -	1	332

[illegible]

	PAGE
Water, Physical Examination of - - - - -	15
Water-Softening Problem - - - - -	157
Water-Softening - - - - -	151
Water, Species of Bacteria in - - - - -	93
Water Supply of Fredericton, N. B. - - - - -	165
Widal Reaction - - - - -	315

INDEX OF AUTHORS.

	SUPPLEMENT	PAGE
ADAMS, G. O. (and GAGE, S. DEM.) - - - - -	2	139
CLARK, H. W. - - - - -	2	136
CLARK, H. W. (and GAGE, S. DEM.) - - - - -	2	172
CLARK, H. W. (and GAGE, S. DEM.) - - - - -	2	175
COPELAND, W. R. (and JOHNSON, G. A.) - - - - -	1	327
COPELAND, W. R. (JOHNSON, G. A., and KIMBERLY, A. E.) -	2	80
DIVINE, C. B. (FROST, W. D., and REINEKING, C. W.) - -	1	298
DODGE, CHARLES WRIGHT - - - - -	1	353
DUNHAM, EDWARD K. - - - - -	2	10
EVANS, HENRY D. - - - - -	3	108
FARRELL, F. W. (and PHELPS, E. B.) - - - - -	1	229
FERGUSON, C. E. (and FULLER, G. W.) - - - - -	1	142
FORBES, F. B. (and PRATT, G. H.) - - - - -	2	205
FRANKFORTER, G. B. - - - - -	3	114
FROST, W. D. (DIVINE, C. B., and REINEKING, C. W.) - -	1	298
FULLER, G. W. (and FERGUSON, C. E.) - - - - -	1	142
FULLER, C. A. (and RUSSELL, H. L.) - - - - -	2	40
GAGE, STEPHEN DEM. - - - - -	3	20
GAGE, S. DEM. (and ADAMS, G. O.) - - - - -	2	139
GAGE, S. DEM. (and CLARK, H. W.) - - - - -	2	172, 175
GOODWIN, M. E. (and VON SHOLLY, A. I.) - - - - -	2	21
HADLEY, PHILIP B. - - - - -	3	95
HARRIS, NORMAN MACL. - - - - -	3	50
HARRISON, F. C. - - - - -	1	165
HILL, HIBBERT W. - - - - -	2	210, 223, 226
HOFFMANN, C. (and RUSSELL, H. L.) - - - - -	3	63
HOMMON, HARRY B. - - - - -	3	14
HOMMON, H. B. (and KIMBERLY, A. E.) - - - - -	2	123
JACKSON, DANIEL D. - - - - -	3	30
JOHNSON, G. A. (and COPELAND, W. R.) - - - - -	1	327
JOHNSON, G. A. (COPELAND, W. R., and KIMBERLY, A. E.) -	2	80
JOHNSON, G. A. (and KIMBERLY, A. E.) - - - - -	2	97
JORDAN, EDWIN O. - - - - -	1	172
KIMBERLY, A. E. - - - - -	1	157
KIMBERLY, A. E. (JOHNSON, G. A., and COPELAND, W. R.) -	2	80
KIMBERLY, A. E. (and JOHNSON, G. A.) - - - - -	2	97
KIMBERLY, A. E. (and HOMMON, H. B.) - - - - -	2	123

	SUPPLEMENT	PAGE
KIMBERLY, A. E. (and ROBERTS, M. G.) - - - - -	2	109
KLOTZ, OSKAR, - - - - -	2	35
LEBREDO M. G. - - - - -	1	332
LEVY, ERNEST C. - - - - -	2	149
LONGLEY, F. F. (and WHIPPLE, G. C.) - - - - -	2	166
MAYER, A. (and WHIPPLE, G. C.) - - - - -	2	76, 151
McFARLAND, J. (and SMALL, J. H.) - - - - -	1	325
MOORE, VERANUS A. - - - - -	3	85
PARK, WILLIAM H. - - - - -	1	295
PARK, WILLIAM H. - - - - -	2	1
PHELPS, EARLE B. - - - - -	1	255
PHELPS, E. B. (and FARRELL, F. W.) - - - - -	1	229
PHELPS, E. B. (and WINSLOW, C.-E. A.) - - - - -	1	175
PHELPS, E. B. (and WINSLOW, C.-E. A.) - - - - -	3	1
PRATT, G. H. (and FORBES, F. B.) - - - - -	2	205
PRICE, M. L. - - - - -	3	123
REINEKING, C. W. (FROST, W. D., and DIVINE, C. B.) - - - - -	1	298
RICKARDS, BURT R. - - - - -	3	119
ROBERTS, M. G. (and KIMBERLY, A. E.) - - - - -	2	109
RUSSELL, H. L. (and FULLER, C. A.) - - - - -	2	40
RUSSELL, H. L. (and HOFFMANN, C.) - - - - -	3	63
SAWIN, LUTHER R. - - - - -	3	33
SELLARDS, ANDREW W. - - - - -	3	41
SHOLLY, A. I. VON (and GOODWIN, M. E.) - - - - -	2	21
SLACK, FRANCIS H. - - - - -	2	214
SLACK, FRANCIS H. - - - - -	3	76
SMALL, J. H. (and McFARLAND, J.) - - - - -	1	325
SOPER, GEORGE, A. - - - - -	3	82
STOUGHTON, GRACE V. E. - - - - -	1	147
TARBETT, R. E. (and WESTON, R. S.) - - - - -	3	39
WEINZIRL, JOHN - - - - -	3	128
WESBROOK, F. F. - - - - -	1	304
WESTON, R. S. (and TARBETT, R. E.) - - - - -	3	39
WILLCOMB, G. E. (and WINSLOW, C.-E. A.) - - - - -	1	273
WINSLOW, C.-E. A. - - - - -	1	209
WINSLOW, C.-E. A. (and PHELPS, E. B.) - - - - -	1	375
WINSLOW, C.-E. A. (and PHELPS, E. B.) - - - - -	3	1
WINSLOW, C.-E. A. (and WILLCOMB, G. E.) - - - - -	1	273
WHIPPLE, G. C. (and LONGLEY, F. F.) - - - - -	2	166
WHIPPLE, G. C. (and MAYER, A.) - - - - -	2	76, 151